apolco M3-60MP

Mini LED Projector

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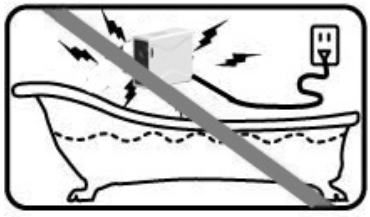
WARNINGS

*Do not operate the Projector in direct sunlight or near heat sources such as heaters, fires, and stoves as this may cause a fire hazard.

*Do not operate the projector close to sources of steam or oil such as a humidifier as this may cause electric shock.

*Do not operate the projector near water such as by the sink or bathtub as this may cause electric shock.

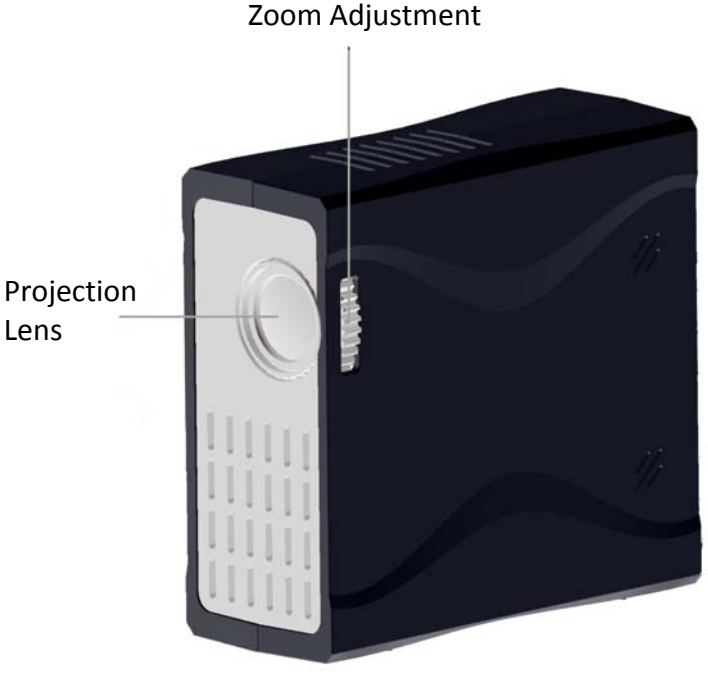


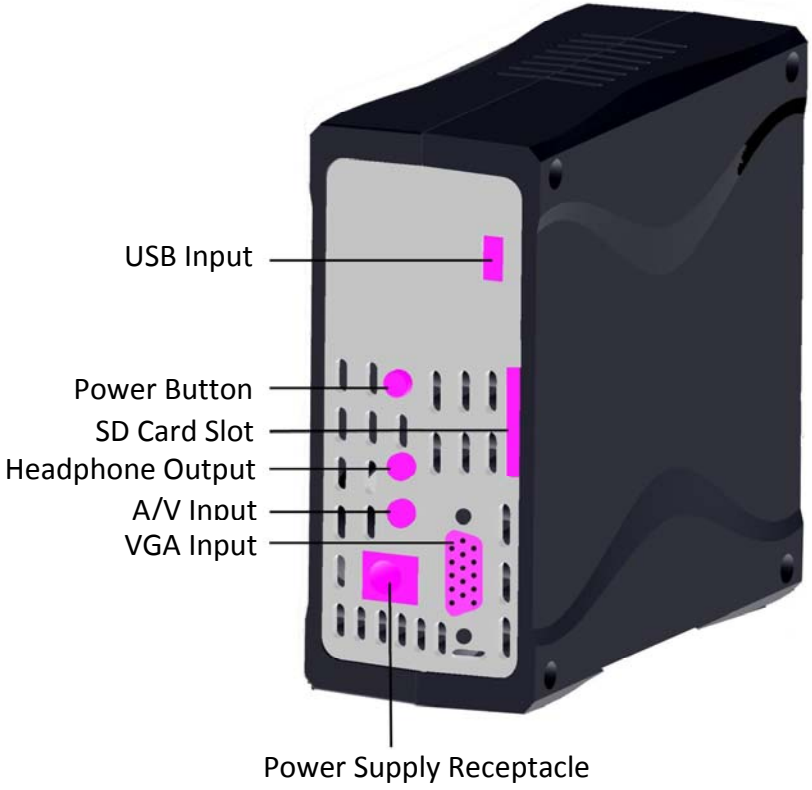
*Do not block or restrict airflow from ventilation holes as this may cause the Projector to overheat.

*Do not place inflammable materials beside the projector as this may cause a fire hazard.

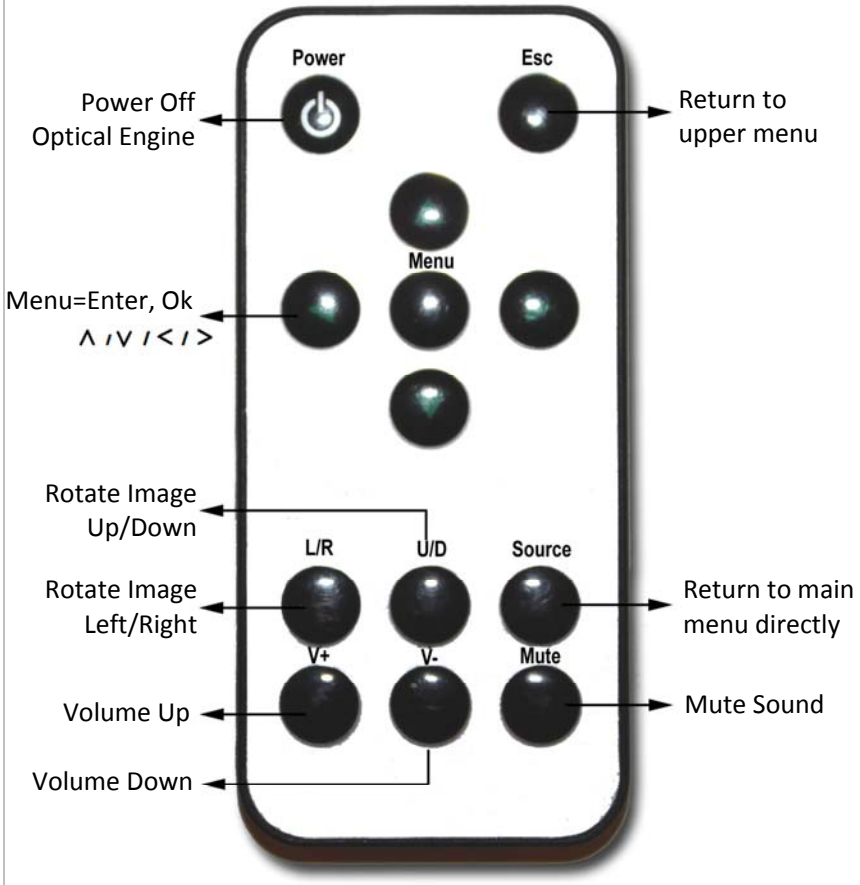
*Do not drop the projector or allow heavy impacts or shock as this will damage the projector.

OVERVIEW




USB Input
Power Button
SD Card Slot
Headphone Output
A/V Input
VGA Input
Power Supply Receptacle

REMOTE CONTROL FUNCTIONS



ACCESSORIES

USB CABLE

POWER ADAPTER

COMPOSITE A/V CABLE

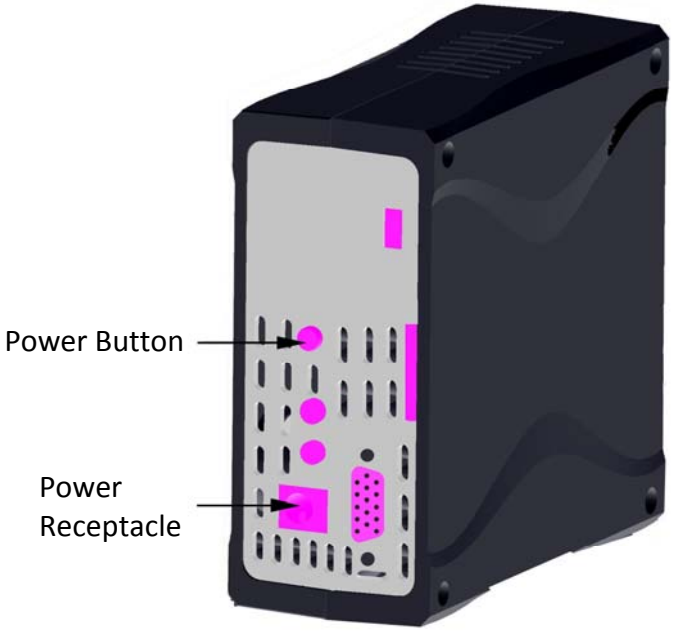
REMOTE CONTROL

GENERAL OPERATION

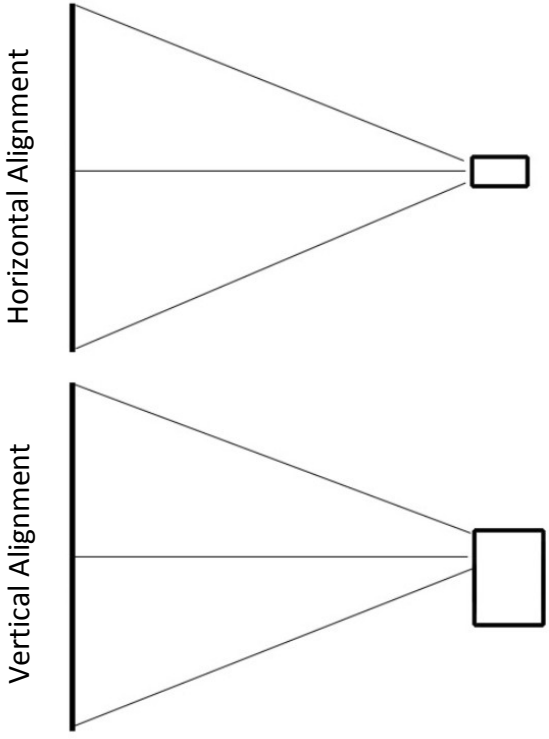
Startup and Shutdown

Startup - Connect the power supply or external battery to the rear power receptacle. Press and hold the power button for 3 seconds until the welcome screen appear.

Shutdown - Hold the power button for 3 seconds until optical engine turns off.



Positioning – Position the projector at an even plane and a right angle to the desired image. If the projector is not at a right angle or on an even plane the projected image will appear distorted.

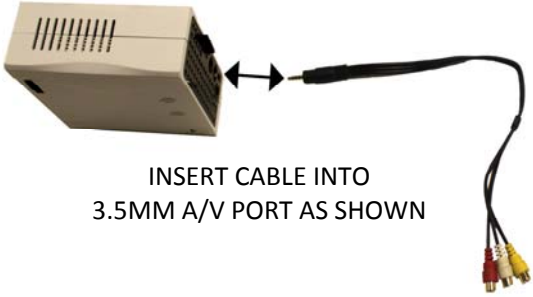


Focus Adjustment / Throw Distance – The focus can be adjusted by turning the wheel located at the front of the projector. The Projector is capable of the following throw and focus distances:

Diagonal size (inch)	Diagonal size (mm)	Vertical size (mm)	Horizontal size (mm)	Throw distance (mm)
30	762	457	610	1250
40	1016	610	813	1666
50	1270	762	1016	2083
60	1524	914	1219	2499
70	1778	1067	1422	2916
80	2032	1219	1626	3332
90	2286	1372	1829	3749
100	2540	1524	2032	4166

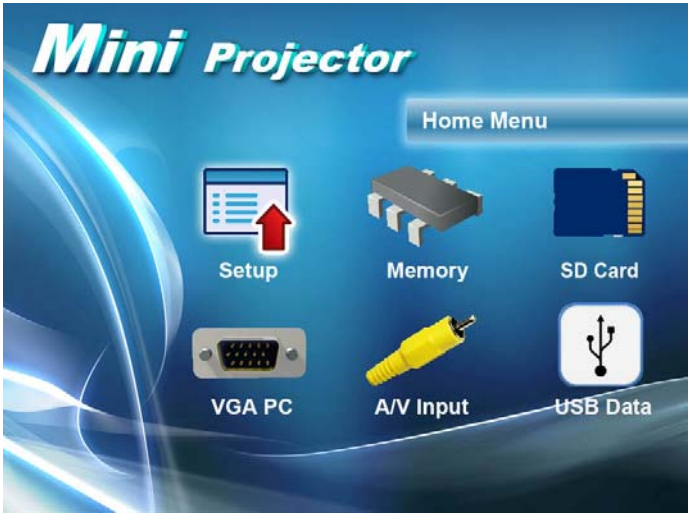
AV Input

The Projector contains an A/V (Audio/Video) line-in port. You can connect to any device which comes with A/V output function. These sources are connected through a 3.5mm A/V cable (Included).



INSERT CABLE INTO
3.5MM A/V PORT AS SHOWN

To connect with an A/V cable, insert the 3.5mm portion into the A/V port of the projector. Then select either the “A/V input” icon in the main menu, or press “source” button on the remote control and select “A/V input”. A blue screen will appear and the Projector will be ready to accept an A/V signal.



Possible A/V sources:

- Composite (included)
- Iphone / Ipod (optional)
- Zune (optional)
- Playstation Portable (optional)
- Others. Please check your near dealer for optional A/V cables.

PLAYSTATION PORTABLE

iPOD/iPHONE CABLE

ZUNE CABLE

ALSO AVAILABLE:

HTC TOUCH CABLE
SAMSUNG CELL PHONE
LG CELL PHONE
NOKIA N-SERIES

VGA CONNECTING

An extend screen will be displayed when connecting to any device contain a standard VGA display port (15pin).

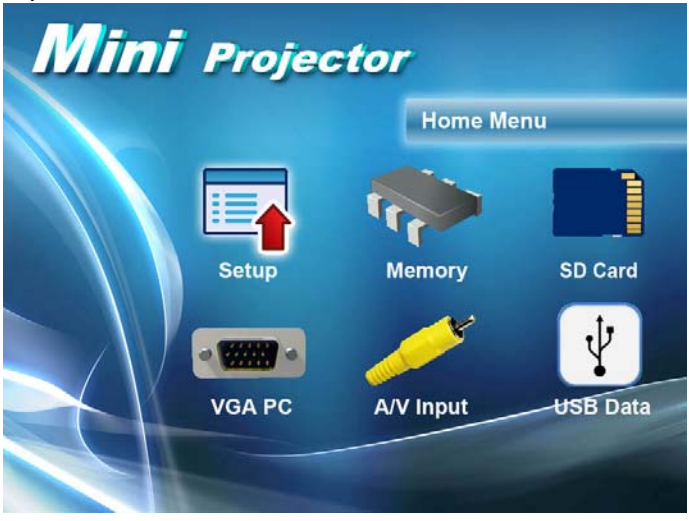
Hint: VGA cable not included.

USB CONNECTING

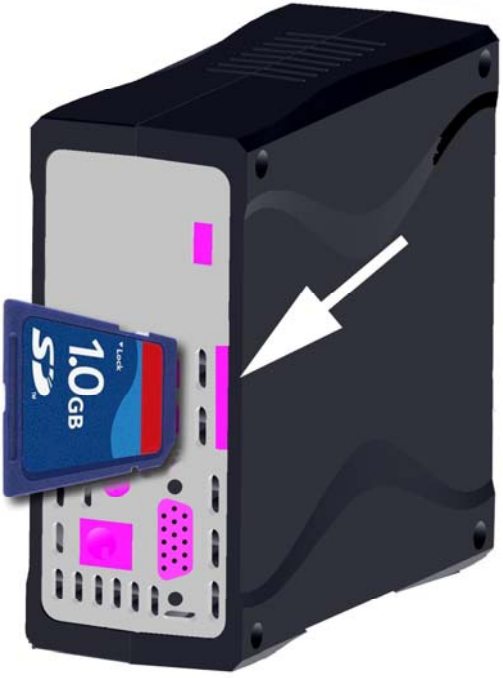
With the USB cable, users can transfer files directly to the built-in memory or SD card, include photos, music, video files ect., and play them with the built-in media player.

ONBOARD MEDIA PLAYER (OMP) OVERVIEW

The OMP plays and supports the following files AVI, RMVB , RM, WMA, MP4, MP3, JPG, JPEG.
For supported video formats please see the "specifications" section in this manual.



Pictures and videos can be accessed via an SD memory card or directly from the flash memory.



To access files stored on the SD memory card first insert the SD memory card in the SD card slot located on the back of the Projector. Power on the projector and select “SD Card”. The SD Card submenu will appear.

Viewing Photos – Select the “Photo” icon submenu. This will display all photos available on the SD Card. Select and click on a photo to display photos in the slideshow mode. While in slideshow mode you can scroll through slides by pressing the left or right buttons on the remote control. By pressing the menu button on the remote control you will bring up the control menu. Control menu functions include: ***Previous picture, Pause / Play, Next Picture, Stop / Exit, Zoom, Rotate, and Image Adjustment.***

Image Adjustment – The Image adjustment menu allows you to change the desire value of Brightness, Contrast, and Color. The adjustment range is from 0 to 9. This operation can be accessed either in adjustment menu or directly through the settings menu under LCD Adjustment.

Listening to Music – Select the “Music” icon in the submenu. Select the music file from the list. To adjust volume use the volume buttons. To skip to another track press the right or left buttons on the remote control, or access the control menu by pressing the “menu” button on the remote control. The Control Menu functions include: ***Previous Track, Next Track, Pause / Play, Stop / Exit.***

Playing Videos – Select the “Movie” icon in the submenu. Select a video file from the list. If the video is large please allow a few moments for the projector to process the file. If after a few minutes the projector does not recover from highlighting or trying to play a video, the video is not compatible.

Remove any non-compatible videos from the video from the SD Card. When playing the video you can select the previous or next video by pressing the left or right buttons on the remote control. Volume is controlled by the “V+” and “V-“ buttons.

The video control menu can be accessed by pressing the “menu” button. The Video control menu allows the selection of: ***previous or next video, fast forward or rewind (4x, 8x, 16x), Play / Pause, Stop / Exit, and Image Adjustment.***

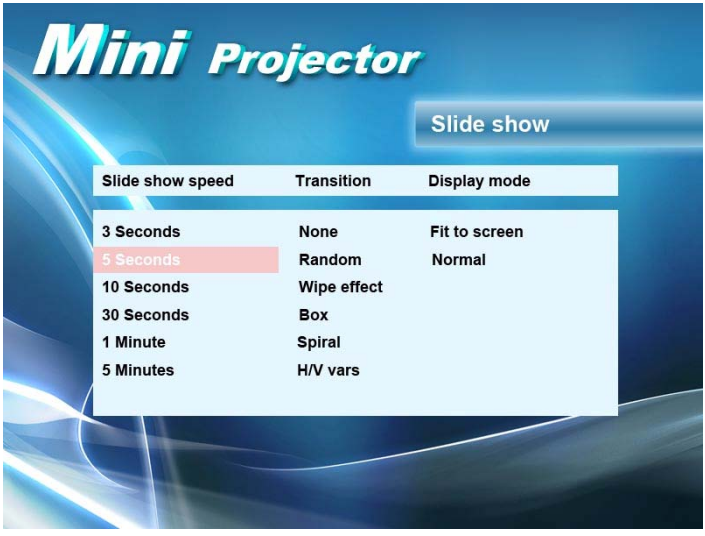
File Menu – The file menu allows deletion or copying of files to the onboard memory. To enter the file menu click on the “File” icon in the submenu. Select a file from the list. To delete the file select “delete”. To copy the file to the onboard memory select “copy”.

SETTINGS MENU

The Settings Menu can be accessed by clicking on the “Setup” icon in the main menu.

Slide Show Settings – The slide show settings allows the user to change the speed, transition style, and display mode of the slide show. “Fit to screen” or “actual size” can also be selected. When “fit to screen” is selected, file sizes will be

compressed or enlarged to the native resolution of the projector which is 800x600 pixels. Pictures may become distorted when compressed or enlarged. “Actual size” will display pictures in their actual resolution. For example a 400x300 pixels picture will occupy approximately 25% of the area of an 800x600 picture.



Language – Supported languages include English, French, Spanish, German, and Italian

Keystone – The projector support keystone adjustment, the adjustment range is from -17 to 17.

Screen Saver – The screen saver setting allows adjustment of the screen saver background. Choices include a moving logo or the slide show.

About – Projector information

Default – Reset to default settings

MAINTENANCE

The Projector needs little maintenance.

Lens Cleaning - You should keep the lens clean and free of dirt and debris by using a soft lint-free cloth.

General Cleaning - To clean the projector case first unplug the projector and wipe the projector with a soft lint-free cloth. Slightly moisten cloth as needed. Do not use alcohol, benzene, or other cleaning detergents as this may cause discoloration or warping of the case.

Lamp Replacement – The projector incorporates a 20,000 hour LED lamp that does not need replacement. Do not attempt to replace the LED lamp.

Opening the Projector – There are no serviceable parts in the projector. Do not attempt to open.

Remote Control Battery Replacement – The Remote control uses a CR2025 battery. Please use only CR2025 type batteries for replacement

TROUBLESHOOTING

THE PROJECTOR DOES NOT TURN ON

Possible Causes	Solution
There is no power	Check to ensure the power outlet or battery source is good. Check the power adapter to ensure a proper connection with the wall outlet as well as the projector.
The projector is in the shut-down cooling cycle	Wait until the projector has fully cooled to restart

NO PICTURE

Possible Causes	Solution
The video source is not properly connected	Check the video source signal to ensure that it is properly connected
The correct input source has not been selected	Select the correct input source by pressing the Source key on the remote.

IMAGE IS BLURRED

Possible Causes	Solution
The Projector is not in focus	Adjust the focus with the focus adjustment dial until the image comes into focus
The Projector is offset from plane / angle of operation	Move the projector so that it is at both 180 degrees and on an even plane with the screen. Please see Page 9

SD CARD IS NOT RECOGNIZED

Possible Causes	Solution
SD Card is not inserted properly	Re-insert SD Card
SD Card is damaged	Replace SD Card

USB MODE DOES NOT WORK

Possible Causes	Solution
Projector is not powered on	The projector needs to be powered on to access USB-PC mode
Incompatible operating system	See supported operating systems on page 15

REMOTE CONTROL DOES NOT WORK

Possible Causes	Solution
The remote control battery is dead	Replace the battery with comparable CR2025 battery

SPECIFICATIONS

PROJECTION SYSTEM

Native Resolution:	SVGA (800x600)
Brightness:	60 ANSI-Lumens
Contrast Ratio:	1000:1
Noise:	<20 dBA
Projection Lens:	Manual Focus
Projection Image:	Available Size 9 ~ 100 inch Single Chip White LED
Lamp Life:	20,000 Hours
Projection Angle:	33.6

GENERAL SPECS

Audio Output:	Onboard Dual 1w speaker Stereo speaker/headphone mini-jack
Color:	Gloss Black
Supported Languages:	English, French, Spanish, German, Italian,
Aspect Ratio Control:	4:3
Dimensions:	112*105*46mm
Weight:	390g
Power Consumption:	12V - 19V, 30 Watts

Power Supply:	AC100~240V(Free Voltage), 50Hz/60Hz
Supported Formats:	(See Below)
Conformances:	CE, UL

INPUTS / OUTPUTS

Video In:	Composite A/V (3.5mm Jack) VGA
Audio Out:	3.5mm Stereo Headphone Jack
USB:	5 Pin Mini USB
Control System	Infrared Remote Control

STORAGE CAPACITY

Built in 1GB flash memory + SD/TF card reader

SUPPORTED FORMATS

AVI, RMVB, RM, MP4, MP3, WMA, JPG, JPEG

- The end -